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The Students of Worcester Polytechnic Institute

TECH NEWS

VOL. 19 WORCESTER, MASS., JAN. 10, 1928 NO. 11

"BAD MAN" TO BE GIVEN FEB. 16

Guidi Plays Leading Character in New Production

The managers of the Masque have announced that the date for the presentation of the Annual Tech Show has been set for Thursday, February 16, and will be held for only that one evening in Tuckerman Hall.

"The Bad Man" was presented in Worcester several years ago by a stock company, very successfully, and now the Masque is giving it as an amateur production for the first time in this section of the country. It is of a wholly different style than the Tech shows of former years, which, for the greater part, have been comedies. This contains a large element of comedy, but it is built around an essentially different type of theme and background. "Jack" Heald is again coaching the show, as he has done so successfully in past years, and rehearsals have been held for some time now, so that all the parts have been definitely assigned and the men are getting practice in working together.

The part of Pancho Lopez, "the bad man," will be taken by Joe Guidi. This

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A. S. C. E. WILL HOLD MEETING

Seniors Will Talk on Recent Engineering Feats

The first meeting of the American Society of Civil Engineers since the Christmas vacation will be held tomorrow evening, Wednesday, January 11, at 7:30 P. M., in room B-19 of Boynton Hall.

The program should prove of great interest to all as a special group of talks is to be given by members of the Senior class. The subjects chosen by the speakers are engineering undertakings of the present time which are attracting much attention.

Frank E. Buxton will speak on the proposed Hudson River bridge which is to be the longest suspension bridge in the world. It is to have a span of 3500 feet, whereas the longest suspension bridge now in use, the Philadelphia-Camden bridge, has a span of but 1700 feet.

Winslow C. Wentworth will take as the subject of his talk the Philadelphia-Camden bridge. This is the longest suspension bridge now in use and at the time of its erection was considered a great engineering feat.

The third talk is to be given by Leander Query, who will tell about the new Holland Vehicular Tunnel. It is a newly-opened tube under the Hudson River which is devoted entirely to motor traffic. The tunnel has done much to relieve the traffic congestion caused by the slow ferries and has been an object of world-wide discussion.

These talks, with other features, should make the meeting interesting to all and a large attendance is expected.

FIRST TANK MEET TO BE HELD JAN. 16

M. I. T. Mermen Scheduled For First Contest

SOME INTERESTING EVENTS ON PROGRAM—LARSEN, ROGERS, TAWTER EXPECTED TO SCORE HEAVILY

For the first time in the history of Tech, the Crimson and Grey will appear in an intercollegiate swimming meet when the Engineer tank stars oppose the M. I. T. mermen in the Homer T. Fuller pool next Saturday afternoon, January 14. The meet is scheduled to take place at 3.00 p. m., and is expected to draw a large gallery of spectators, as it is the first time in the history of athletics at Worcester Tech that an intercollegiate swimming meet will be held. In addition to this, Worcester sport fans are enthused over swimming as many nationally known stars are local products.

The Boynton Hill team, although in its first meet, will present a lineup of swimmers who have had experience in competition before, and who are expected to press the more experienced M. I. T. swimmers who have always been well regarded in college circles. Perhaps the best known of the Tech men is Carl Larson, who holds many New England freestyle and breaststroke records. Larson is a Y. M. C. A. product, being one of the chief reasons for holding such a high place in the tank world. Joe Rogers and Joe Tawter are two more experienced men, the former being a dash man, while the lat-

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RIFLE TEAM HAS STIFF SCHEDULE

Three Stiff Matches To Be Run Off This Week

Next week is the busiest one of the year for the rifle team, as they will shoot three prone matches and possibly the first position match of the year. The prone matches are with Amherst College, Carnegie Tech and University of Syracuse. There is a possibility that five of their best men will be freed from ineligibility this week. A number of men came back from their vacations with their own shining new rifles, and have shown some improvement already as a result. Due to the long interval of time since the last match the team for next week will be picked from practice targets handed in this week, so that quite a few changes are expected.

Seven men have entered the national N. R. A. Tyro prone match which is to be fired before the first of February. The Tyro is a match for individual honors and only those who have never previously taken places in any N. R. A. competition are eligible. It is expected that several should win percentage medals, as a score of only 90 is required. The new targets, which will

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ALUMNUS IS KILLED IN ACCIDENTAL SHOOTING

HERMAN NEUBAUER, '26

Students of Tech, especially the upperclassmen and members of the faculty, will be shocked to learn of the death of Herman Neubauer, '26, better known here as "Honey." His death at Myrtle Beach, South Carolina, December 23, while hunting quail with a companion was due to accidental shooting. The medical authorities reported to his parents in Clinton that the shooting which gave him fatal injuries from which he died the next day, was entirely accidental.

"Honey" was a graduate of the Clinton High School and was an honor student there. Upon entering Tech he immediately went into athletics, and when he graduated, he was a letter

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CALENDAR

TUESDAY, JAN. 10:
- 9:50 A. M.—Chapel talk by Rev. Mr. Foxhall of Hope Congregational Church.
- 4:00 P. M.—News Meeting, B-19.
- 7:30 P. M.—Newman Club Meeting.

WEDNESDAY, JAN. 11:
- 9:50 A. M.—Chapel, song service.
- 4:30 P. M.—Mandolin Club rehearsal.
- 7:30 P. M.—A. S. C. E. meeting, B-19.

THURSDAY, JAN. 12:
- 9:50 A. M.—Chapel talk by Prof. H. F. Taylor.
- 4:30 P. M.—Glee Club rehearsal.

FRIDAY, JAN. 13:
- All day—Eastern College Personnel Conference, Sanford Riley Hall.
- 9:50 A. M.—Chapel talk by Rev. C. H. Rust of Plymouth Congregational Church.
- 4:00 P. M.—Peddler Board Meeting, B-19.

SATURDAY, JAN. 14:
- 3:00 P. M.—Swimming meet, Tech vs. M. I. T.
- 7:15 P. M.—Basketball, Seconds vs. Trade.
- 8:15 P. M.—Basketball, Tech. vs. Drexel.

MONDAY, JAN. 16:
- 4:00 P. M.—News Assignments, B-19.

TECH BASKETBALLERS DOWN FAST RHODE ISLAND STATE FIVE, 37-27

Haire, Star Visiting Forward, Pushed for Individual Scoring Honors by Fitt Who Nets 12 Points

MAN-TO-MAN DEFENSE TACTICS PROVE VERY EFFECTIVE FOR CRIMSON AND GRAY QUINTET

The Tech hoopsters gained prominence as one of the leading teams in New England when they defeated the Rhode Island State team, last Saturday night, by a 37-27 score. The Rhode Islanders lacked the scoring punch for which they are well known and seemed to be unable to check the rapid advances of the Tech quintet. The Engineers started the game off at a furious pace, and at one time were leading, 12-3. Bob Haire, Rhode Island star, held scoreless in the first half, came back with renewed vigor in the second and connected for fourteen points to be high scorer of the evening.

Cotton and Fitt led the scoring attack in the first half and within a few minutes of play had piled up such a commanding lead for the Engineers, that the Rhode Islanders were unable to overtake them. Rhode Island

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SECONDS LOSE A HARD FAST GAME

Game Was Not Lost Until The Last Quarter

The Seconds got off to an unexpected strong start against Fitchburg high school and were leading at the half way point, 10-7. The Amiott coached team did not show as strong as have previous teams from Fitchburg, the only familiar faces in their lineup being Oliva and Quinn. The Second team played hard and through the first half had the Fitchburg team completely in the air. The ball rebounded many times from the Tech backboard without even hitting the hoop. In the second half the Fitchburg aggregation, steadied by Oliva's shift to the back court, crept up on the Tech team and only in the last quarter climbed into the lead. Lundborg showed his usual fast floor work, while Berry and Manty were veritable bulwarks.

Whitaker, who joined the Second's squad after the Interfraternity series, played an excellent game at center,

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TWO NEW RADIOS ARE INSTALLED

Y. M. C. A. Quarters Are Moved To the Dormitory

The two new radios which were donated to the Sanford Riley Dormitory some time ago have just been installed. They were were given by A. Atwater Kent, a well-known manufacturer of radios and a former student of W. P. I. The new machines were set in operation immediately and have been running most of the time since. Excellent results are being obtained. Instead of gathering around the new Victrola as they formerly did, the fellows collect around the radios with their books or magazines and listen to music from all over the country. As many as fifty stations have already been logged. One radio has been set up in the lounge room and the other in the reception room. The machines are of the newest type, operating on A. C. current from a wall plug.

The Y. M. C. A. quarters have been moved to the dormitory. The two pool tables have been re-covered and a new billiard table has been added. It is hard to find a table which is not in use any time during the day or evening. The magazines have been placed on the tables in the lounge room; the students living in the dormitory appreciate them for there was no reading matter in the commons room previously. Paul Swan's office is directly opposite the dormitory store and is very well equipped.

COLLEGE PERSONNEL OFFICERS TO MEET HERE

Plan Interesting Day For Jan. 20

The Eastern College Personnel officers, organized three years ago to assist in the placement of college graduates in industry, will hold their winter meeting at Tech on January 20. The program for the day will include a visit to the Norton Company plant.

Practically all of the New England colleges and many from New York will send representatives. Dean Paul Nixon of Bowdoin college is president of the organization, and Norman H. Abbott of Boston University, secretary.

Following is the schedule for the day:

At the morning session there will be a visit to the Norton Company plant, which is to follow the plans suggested by the Executive Committee. A small portion of the time will be given to the inspection of the plant, but the major portion will be in the nature of a class in personnel methods. Dr. W. Irving Clark, Service Director, will have available certain of the personnel officers with samples of their records. It will also be possible to see how the personnel work is carried on. Luncheon will be served in Sanford Riley Hall.

The afternoon session will open with a business meeting from two to three P. M., followed by an address of welcome by President Ralph Earle. Max Freyd of the Personnel Research Federation, will present a paper on "Selection" and Miss Mabelle Blake, personnel director of Smith college, will speak on "Psychological Tests in Vocation Guidance Placement Work." These talks will be followed by a short discussion and reports of special committees.

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NEWS PHONES:
Editorial, Park 2278
Business, Maple 3020-M

Editor-in-Chief
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Managing Editor
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RENOVATIONS

Along with the radical changes effected so universally throughout the college during the past year comes yet another announcement that makes us hold our breath for a while before we realize that we are no longer tied down by ancient customs, but rather that we may plan our special presentations as we see fit. Perhaps first among the departures from the firmly trodden path of events in our life at Tech came the advent of dormitory life onto Boynton Hill. This valuable addition to our quiet existence has already proven its worth to us. Not only is the student life at Tech more centralized, but student interests are broadened and increased to a high pitch. Greater acquaintance is made possible and it is already noticeable about the Hill that Freshmen living in the dormitory travel around with a larger group than men who were formerly forced to abide wherever they could beget themselves a bed.

Following closely the opening of the dormitory came the football season with many changes which made it apparent that the college at large was looking at that branch of sport in a new light. Finally came forth the announcement that the sports department of Tech had also inherited the broadening spirit and consequently a schedule was arranged for next year which, although it probably will not help put Tech in the win column more, it will firmly establish the college in the publicity column. Further advance in athletics was apparent when it was announced that Worcester Tech would be represented in collegiate circles by a swimming team and a fitting schedule of tank meets was arranged with several colleges extremely well known in the aquatic world.

In the meantime the Tech Musical Clubs were undergoing intense renovations. A director was procured who has taken the interests of the club at heart. He has made membership in the clubs a thing to strive for; the result of keen competition rather than of mere application. As a result the voices are better adapted to group singing and a much better quality has resulted. Not only is there an internal application of paint being applied, but external whitewashing is also in progress. A schedule of concerts has been arranged such as no Tech Musical Clubs ever attempted before. In addition to making a tour of various colleges and schools the clubs will appear for the first time in the Intercollegiate Glee Clubs Contest which is to be held in Boston soon. Here the Tech songsters will be stacked up against the best in glee club singing. Two public appearances in Worcester have also been arranged to date, with the possibility of more. One of these concerts is due to be held in Mechanics Hall in the near future.

The above by no means covers the wide range of changes we have observed about the Hill. Many small things have happened which have perhaps escaped our attention and to list everything would tax these columns to the utmost. We come, however, to that recent announcement spoken of earlier in this article. The Masque has made public the statement that the Tech Show will be presented for the benefit of the Worcester patronage and Tech students, in the middle part of February. This splits up the idea which has held sway for many years that the Tech Show should be presented in conjunction with the Junior Prom and House Party Week. Of course, the change will necessarily break up the gala week-end of former years, but it will serve to bring considerable limelight to the Masque production. For some time the NEWS has supported the Masque in its endeavors to get the show out on the road in order that people in other localities might have an opportunity to see what the engineers can do before the footlights. The publicity derived from such performances would help the college a hundred-fold, while the financial return to the Masque would be such as to put that organization on an absolutely firm basis. After several attempts two years ago, it was found impractical to do these things on the same schedule maintained at that time. In the first place the time between April, when the show was presented in Worcester, to June, when college closed, was too short to allow many road engagements. It was also deemed inadvisable to open the show any place other than the home stage.

With the development of this year these obstacles are to a great extent overcome. When the Worcester presentation is completed the path is open for the show to get out on the road and broadcast the name of the Worcester Polytechnic Institute to the world at large. A great deal depends upon how the Worcester appearance goes over, but if it does, as we feel sure it will, the Masque is assured of a successful season if the undertaking is carried out with all serious intentions of putting Tech Show on a solid rock foundation.

In the face of all these facts how can we help but feel convinced that Tech is rapidly approaching the point where all concerned realize the importance of placing the name of the college before the public before great popularity may be claimed. All indications point toward the dawn of a new day for the college founded to give thorough training in the theory and application of scientific principles. We feel that Tech and Tech men are about to enjoy a period of wakefulness, of striving, and finally of rapid advancement. We have too long slumbered with the idea that our reputation as engineers after we graduate will carry the college onward. Now we are beginning to see that it is what we do while we are here, and not after we get out that counts in the eyes of the people. Whereas a college organization is always connected with the institution at which it is located, a great engineering feat is credited to individuals and private corporations. Let us all recognize these facts, cast aside our indifference and strive toward our objective—"A Better Polytech."

VACATIONS CUM LAUDE

"Whenever a college man applies to me for a job I never inquire about his scholastic standing," recently remarked a business man, himself a university graduate. "What I want to know is how he spent his summer vacations—three months per annum, and before he gets his degree that amount to a whole year, the most valuable, I think, of his entire collegiate course. Never again will he have a similar opportunity. If he has wasted it, I know something about him; if not, he has a record worth showing."

That ought to give college men something to think about. The average collegian regards the summer holidays merely as a period of recreation and rarely thinks of them as the chance of a lifetime. Of course, a large number of students obtain work of various kinds during July, August and September, but the ordinary summer job has little or no educational value. It is a means of earning a little money and is generally selected for no other reason. If it is a case of necessity, any work is justified, but not otherwise. By carefully planning his vacation program almost any enterprising young man can do far better. He can fill the whole or part of his summers with activities which, while they may not bring him immediate financial returns, will round out his experience. He will thus acquire a real asset—for other business men doubtless think as does the one quoted.

"Here's the record of one boy I've just employed," this man continued. "At the end of his Freshman year he went for one month to a citizen's military camp; after Sophomore year he worked for six weeks with Dr. Grenfell's mission in Labrador; at the close of junior year he had a month and a half with the Banks fishing fleet and after graduation he spent July and August with a forestry outfit. All of it was open air work, putting him in good physical condition and in touch with all sorts and conditions of men. He used only twenty-six of the forty-eight weeks at his disposal, but I don't care what he did with the others. Those twenty-six weeks were what I call a 'vacation *cum laude*.' They gave him unusual equipment for success and I only wish I could find more young men who possessed it."

Vacations *cum laude*! That's a practical hint for the campus.

—*The Evening Post.*

CONSTITUTION OF CLASS OF 1931

ARTICLE I.
Name

The name of this class shall be "The Class of 1931 of Worcester Polytechnic Institute."

ARTICLE II.
Members

The members of this class shall be those persons registered on the books of the Institute in the class of 1931.

ARTICLE III.
Officers

Sec. 1. The officers of this class shall be president, vice-president, secretary, treasurer, auditor, historian and such members of Tech Council as are called for by the constitution of that body.

Sec. 2. The president shall preside at all meetings.

Sec. 3. The vice-president shall assume all duties of president in the absence of the president.

Sec. 4. The secretary shall keep a record of all business transacted by the class and attend to all class correspondence.

Sec. 5. The treasurer shall have charge of all class funds and the collection thereof. He shall keep an accurate and permanent account of all money transactions and shall present to the Tech Council and the class a duly audited report before the end of his term of office. He shall further provide a bond of $500, the premium of which shall be paid by the class.

Sec. 6. The auditor shall examine the books of the treasurer before a report of these books is made to the class.

Sec. 7. The historian shall keep a permanent record of all class activities and the activities of the individual members of the class while in school.

ARTICLE IV.
Elections

Sec. 1. Candidates for president, secretary, treasurer, auditor and historian, and members of Tech Council shall be nominated by a nominating committee appointed by the president during the first week of the semester. Nominations by this committee must be made during the second week of the semester.

Sec. 2. There shall be at least four (4) nominations for president.

Sec. 3. Elections shall take place during the third week of the semester, a plurality vote being necessary for an election.

Sec. 4. Following the election of president, the two highest remaining candidates shall be voted upon for vice-president.

Sec. 5. All elections shall be by written or printed ballot.

ARTICLE V.
Meetings

Sec. 1. Meetings may be called at the discretion of the president or upon a written petition of 10 per cent. of the members of the class.

Sec. 2. A written notice of such meetings shall be posted by the secretary at least two days preceding said meeting.

Sec. 3. A quorum shall consist of a majority of the class.

Sec. 4. No member shall be permitted to attend meetings who has not paid his dues.

Sec. 5. The rule of procedure shall be according to Roberts' Manual.

ARTICLE VI.
Committees

Sec. 1. All committees shall be appointed by the president unless otherwise directed by the class.

Sec. 2. The nominating committee shall consist of one member from each division of the class.

Sec. 3. The chairmen of committees shall make a complete report of activities and finances to the class at the first meeting after said committee has stopped functioning.

ARTICLE VII.
Dues

Sec. 1. The dues shall be fifty cents ($.50) each semester.

Sec. 2. Said dues shall be paid within one month after the beginning of each semester.

Sec. 3. Upon the recommendation of the treasurer and its adoption by the class special assessments may be made upon the class.

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SWIMMING MEET SET FOR JANUARY 14

(Continued from Page 1, Col. 2)

ter, Joe Tawter, is a diver of exceptional ability. Rogers is a team mate of Larson so with this combination of crack swimmers, Tech presents a strong aquatic team.

Of the men who have had but little experience in tank swimming Locke, Tompkins, K. Perry, Sodano, R. Hall, Holcombe, Holleck, and Sage are the most outstanding.

The Tech mermen will make their initial appearance in crimson silk tank suits.

The events of the meet are:

50-yd. free style, 440-yd free style, fancy diving, 150-yd. back stroke, 100-yd. free style, 200-yd. breast stroke, 160-yd. relay race (4 men), 300-yd medley relay (each of the three men on each team to swim 100 yards).

The probable lineup which will oppose the M. I. T. mermen is:

Medley relay—Larson, Rogers Locke.
50-yard dash—Holcombe, K. Perry.
440-yard free style—Tompkins, Hollick.
Diving—Tawter, Sodano.
150-yard backstroke—Rogers, K. Perry.
100-yard free style—Locke, Holcombe
200-yard breast stroke—Larson, Hall.
160-yard relay—Larson, Perry Holcombe, Rogers.

RIFLE TEAM HAS STIFF SCHEDULE

(Continued from Page 1, Col. 2)

be used in this and all other N. R. A. matches this year, should reduce substantially the prevailing average score, as the center counting ring is narrowed down to nearly half its former size.

G. W. Fleming, '28, won first prize in the novelty match Christmas week by snuffing out two candles and breaking off four matches and one half. A. W. Young, '28, and A. M. Demont, '31, received second and third prizes, respectively. Judging by the enthusiasm shown over this one, the match will be tried again. The complete schedule for the year cannot be given until the schedule of N. R. A. league D. matches is received later this week. President Earle has expressed pleasure at the interest shown in shooting this year.

FENCING CLASSES IN NEED OF MORE PUPILS

Numbers Needed to Arrange Matches

Mr. Papano, the instructor in fencing would like to have more men out for the fencing classes. It is almost impossible to form a Fencing Club without more men. Up to date there are seven students enrolled in the classes, three of them having some fencing experience.

Classes are held each Tuesday and Thursday afternoons at 4.00 p. m. The fee is five dollars a month. This includes eight lessons, and all equipment is furnished. Mr. Papano has classes at Clark, Worcester Academy, and the Y. M. C. A. It is very probable that if enough turn out, matches will be arranged between teams representing the three institutions and the Y. M. C. A.

By having more men in the classes, the members will become more experienced in offensive and defensive work as hardly any two fencers have the same style.

TECH SHOW SET FOR FEBRUARY 16TH

(Continued from Page 1, Col. 1)

part is in reality a satirical characterization of the famous Pancho Villa, who was so prominent in the Mexican disturbance of a few years ago. The other parts, of which there are ten, are taken by "Ham" Minnick, Dick Verville, Earl Batchelder, Irving Newcomb, "Shrimp" Lewis, Newman Bumstead, Joe Tulka, Lyman Adams, Albert Goodnow, Harold Cutler and Bill Thacker, are centered more or less about the acts and deeds of Lopez. The scene is a border ranch house during the year 1915.

Of the eleven parts, four are taken by men who have had plenty of experience in former Tech Shows, and three of the remaining seven parts will be played by Freshmen. All have plenty of work to do, as several parts, while not directly leading ones, are character sketches and require skill in playing them. However, present indications seem to show that it will be one of the best shows yet presented by the Masque.

PRICE ATTENDS "Y" CONCLAVE

Purposes of Student Volunteer Movement Defined

Marion L. Price, president of the class of 1930 and treasurer of the "Y," was sent by the latter organization to represent Tech at an International Convention of Student Volunteers. The convention was held in Detroit, Mich., for a period of five days during the Christmas holidays and was attended by about four thousand students representing colleges all over the world.

The Student Volunteer Movement is a corporate expression of consciousness on the part of Christian college students, of the missionary implications of Christianity. Four main factors make up the chief aims and activities of the movement. First, it exists for the specific purpose of furthering one aspect of the life of the church, namely, its work in those parts of the world where there is little or no heritage of Christian thought and life, or where there are as yet few or no Christians in the community. Secondly, the organization serves no one denomination or supports no one creed, but strives by complete fellowship to convey the spirit of Jesus Christ. Third, for the most part, the students who go to foreign countries to engage in active missionary work, go not trying to convert people into joining a certain church and a certain creed but to take up some profession such as erecting schools, hospitals, or business enterprises.

By the Christ-like life they lead the missionaries are able to cause the true Christ to permeate the hearts of the foreigners. Here on the Hill much can be done to create a friendly feeling in the hearts of our many foreign students. A large number of them will go to other parts of the world upon graduation and Tech could wish for no better ambassadors of good will. The Cosmopolitan Club provides a means of becoming acquainted with the foreign students and a chance to cultivate their friendship.

Fourth, the entire movement is supported and maintained by students, whether they are students of a technical school, liberal arts college or students in the professional world.

The work is carried on by individual students by their endeavors to create fellowship and good will on the campus or to take up active missionary work in foreign fields.

While at Detroit, Mr. Price visited the Ford Motor plant and the Ford Airport, and a number of other places of interest, which were open for inspection by those who attended the convention.

IMPORTANT FRESHMAN PROBLEMS

By Charles Franklin Thwing,
President Emeritus of Western Reserve University

The emphasis in college life is passing from the teacher, the curriculum and the environments to the student himself. This emphasis should never have been lost. Of the several emphases belonging to the student the most important is that which can be summed up in the word problems.

The first of these problems is what I shall call the reconciliation of self-discipline with personal freedom. The typical student will find one prevailing difference between his old life in the high school or academy and his new life in the college. This difference lies in part at least in the limitation of the old preparatory and the freedom of the new college education. Tasks become less specific. Duties if not less regular at least are less regulated. Supervision is made less close in space and less constant in time. Rules give place to principles, commands to intimations, prohibition to suggestions. Freedom to do or not to do, freedom to loaf or to study, freedom to waste his time or himself or to improve both, all these types of liberty and many others become his academic birthright.

In working out his salvation he must be, above every other force, his own savior. The college officers, professors, deans, president, will give him aid, but his own self-help is mightier than all other. He is to be a disciplinarian to himself. He is to take account of his own intellectual stock in order to save himself from bankruptcy. He is to make his own intellectual soundings. He is to inspect his own chart and compass in order to save himself from academic shipwreck. Rules more specific and more commanding than the college would make for him, he must lay down for himself. Regulations more timely and more permanent than his home ever suggested he is to set up and to follow.

He must be a hard master, at times almost harsh and brutal, to himself. It is thus and only thus that many a student rejoicing in his new freedom is able to save himself for his college, for his home and for all his succeeding life. In a word, the American college, for good or bad reasons, is giving the student a range of liberty broader than he can properly use. Therefore, it becomes the peculiar duty of the student to correct these faults of omission and commission of the college by becoming a severe self-disciplinarian.

Benefit from Courses

A second problem of the new student is to determine what he wants to get out of his college. Of course, not a few men come knowing what they do want to get out of the college. Preparation for a profession, training for business, the making of one's self an educated gentleman. But many, perhaps most, have not thought at all about what their purpose is or should be, much less have they formulated a purpose. They have just felt that it was really a rather good thing to come to college.

In such an atmosphere of vagueness it is helpful for the student to ponder well over what he should gain in the experiences of the four years. In this pondering he will soon find that the college offers him many and diverse values.

At times acquaintances which would prove serviceable in subsequent business will make a special appeal. At times friendships made in college will seem to be most precious, and they certainly are precious. At times the opportunity for broad reading will seem to have highest worth, and testimonies of great men abound in illustration and proof. In more mature meditations the result of making one's self a thinker, a thinker on whatsoever subject may be presented, a thinker broad yet accurate, may seem to be worth all other values.

These and other purposes are simply illustrations of the length, breadth and height of the field of choice into which the student is flung. His immediate problem is to think about what he wants to get, even if he gets for himself no immediate satisfactory conclusion. Lacking a conclusion he still should think. Even if the answer of the Freshman should prove not to be the answer of the Sophomore, or if both answers should ultimately be unlike the answer of the Senior, yet the obligation of thinking and of thinking hard may prove to be of a worth higher than any specific answer itself could create.

In thus thinking, the student may find solved yet another—the third—problem. It is the problem of rationalizing his ideals. For most ideals both within and without college walls, are born into the realm of the emotions. They are felt rather than conceived or understood. They are therefore vague and need to be brought into definiteness, into well-ordered relations. They should be measured by the intellectual yardstick and weighed in the intellectual balances. They are to be interpreted by the intellectual standards, to be solidified into intellectual values, to be translated into intellectual languages.

Studies and Leisure

A fourth problem which immediately meets the student on his matriculation is the adjustment of leisure to work. How many hours a week shall he study, how many shall he play. What share of his time shall be spent in talk and what share in solitary study? The questions are pretty central and determinative. They are also individual. Facts of health, of adjustments, of duties such as self-support, all conditions lying beyond the classroom, help to make up the answers.

(Continued on Page 5, Col. 1)

FRESHMAN PROBLEMS

(Continued from Page 4, Col. 5)

I must not commit myself to analyze too closely, but in general I should say that the student should give himself as fully as possible to the business of college. That business is scholarship. Let him devote forty hours, or fifty, or even sixty of each week to this business. (The late Sir Walte Raleigh said, when he was teaching at Manchester, he could work only four hours day). After such devotion let him loaf or talk as he will, or go in for the track, or try for the eleven or the nine, or let him "heel" for the college paper, or try to make the dramatic club or the glee club, or seek to share in any one or all of the undergraduate activities.

But if, on the contrary, he goes in hard for these activities and consequently devotes enough of himself only to the college studies as to "get by," he will find himself failing, failing to get sufficient and most lasting values.

A further problem—it is the fifth—for many a Freshman emerges, a problem most personal and insistent; it is the problem, "shall I join a fraternity?" Assuming that the Freshman gets a "bid," I want to give an answer through five suggestions: Let the Freshman consider, first, the cost of joining; second, the character of the membership of the chapter that gives him the invitation; third, the value of the fraternity as a method and means of present college and post-college friendships; fourth, the advantages and disadvantages of the chapter house as a home and as a place and condition of study; fifth, the reputation of the fraternity and of this individual chapter for scholarship and high character.

Joining a Fraternity

The consideration of these five points of an academic Calvinism, and of other points as well, will lead the student to a proper conclusion. This conclusion will be usually in favor of becoming a member of the fraternity electing him to its membership.

The last problem to which I refer may be called the problem of translating learning into scholarship and of scholarship into power. The college is a place and a condition, a force, a means and a method of learning. It represents the gaining of knowledge, the accumulation of facts. It stands for the great departments of intellectual acquisition—acquisitions belonging to all the field that concern humanity or nature. The student is to be a master in at least one of these fields and with the others he is to have at least a speaking acquaintance.

But such acquaintance or acquisition forms one of the smallest worths of the college course. The student may be a human encyclopedia; but he must not be that only. Even if he be thus learned he yet has only partially failed. But rather and more he is to translate his learning into scholarship? And what is the difference between learning and scholarship? Learning is concerned with the fact; scholarship stands for the meaning of the fact. Learning is concerned with many and diverse facts; scholarship deals with the relation of these facts. Learning stands for truth and truths; scholarship is concerned with the causes, the conditions, the limitations, the results of these truths. Learning refers to the mechanical parts of knowledge; scholarship to the human part. Learning is primarily an intellectual process product; scholarship, accepting the intellectual deposit, gives to it emotional and ethical significance. Learning stands for intelligence; scholarship for the intellectual.

It is thus that learning is translated into scholarship. But a still further translation is to be made. Scholarship is to be turned into power, into intellectual and volitional power. Scholarship is to aid the student in choosing the best, highest, noblest in the multiple relations of life. Scholarship is to result in doing, in serving, in planning, in achieving. In point of the professions, scholarship is to make the minister, the teacher the doctor, the lawyer, the editor, the engineer, the architect. In point of business, scholarship is to make the executive.

CONSTITUTION OF CLASS OF 1931

(Continued from Page 3, Col. 3)

ARTICLE VIII.

Amendments

Sec. 1. Proposed amendments, after being moved, shall be held over for one week before being voted upon.

Sec. 2. A two-thirds affirmative vote of the class shall be necessary for the adoption of an amendment.

NEUBAUER, '26, MEETS ACCIDENTAL DEATH

(Continued from Page 1, Col. 3)

man in three sports—baseball, basketball and soccer. On the baseball field he starred at shortstop and surely was instrumental in helping the team enjoy three very successful seasons. He was a forward on the basketball team and one of the men who played with him said, "I never saw a better forward than 'Honey.'"

Besides his athletics, "Honey" was Vice-President of his class during the last half of his Senior year, a Skull man, a member of the A. S. C. E., and of the Lambda Chi Alpha Fraternity.

CARD OF THANKS

Mr. and Mrs. Clark Patrick wish to express their appreciation and thanks to the faculty, students and employes of the Worcester Polytechnic Institute for the expression of sympathy and help at the time of the death of their son, Rawlins.

On Friday evening, December 30, Rawlings Patrick and a friend, while skating at Bell Pond, broke through the thin ice. Apparently Rawlins could have saved himself, but met his death in attempting to assist his companion.

Mr. Patrick is employed by the Mechanical Engineering Department and is very popular among the faculty and students.

TECH WINS FROM R. I. STATE

(Continued from Page 1, Col. 5)

threatened at the start of the second half, but their threat was of short duration, for the Engineers tightened up and checked the scoring.

Hurwitz of Rhode Island scored the first basket with a long shot from the center of the court, but a pass from Cotton to Graham, followed by a basket, netted Tech two points, to even things up. Smith registered a counter from the side of the court and Cotton scored two baskets and two points on free tries in rapid succession. Fitt tallied once, giving his team an early lead of nine points.

Rhode Island was at a loss as to what to do and took time out, but this was of little avail for Smith sank a counter and Fitt tallied twice, as the half ended with Tech leading, 19-7.

At the start of the second half the Rhode Islanders, seemed to have been "recalled to life," for before many minutes had gone by they had scored ten points to four for Tech. Haire, who went scoreless the first period scored eight points in rapid succession, and, only six points behind, the Rhode Islanders fought hard to close the gap, but were repulsed by a stalwart Tech defense.

Graham, closely guarded by Magoon, succeeded in eluding him and scoring a basket, but Haire matched this with a pair of free tries. It was at this stage of the game that the Rhode Islanders started to rough things up, causing many fouls to be called and necessitating the removal from the game of Hurwitz and Magoon. Tech scored six points on free tries making the score 32-21.

With the game safely tucked away, Coach Bigler sent his reserves in. Rice replaced Wilkinson and Holmes replaced Smith. Cotton tallied once more and was replaced by Topelian. Downing replaced Fitt, who was the leading scorer for the Engineers. Graham was the only regular left, as Coach Bigler, as yet has not an understudy for Graham.

The substitutes seemed to fill their assignments well and with a few minutes playing time left, scored three points, ending the Tech scoring. Haire tallied two points as the game ended in Tech's favor, 37-27.

Tech used the man to man style of defense for the first time and it seemed to prove more effective than the five-man defense, to which it has been accustomed, as the Rhode Island team also used the man to man defense. Cotton dribbled through the Rhode Island defense to score three baskets, Fitt led the scoring with twelve points, followed closely by Graham with eight. The Engineers intercepted pass after pass and the Rhode Islanders were unable to keep the ball any length of time.

The score:

FOOTBALL CLASSES ARE TO START SOON

Bigler Will Teach Plays

Because of the short time between the opening of school next fall and our first football game, which is with Brown University, Coach Bigler has decided to inaugurate a new system this year by having football classes which are to be held twice a week. These classes will be held each Tuesday and Friday afternoon at four o'clock in the Gym. The first class will be held this afternoon, January 10, at four P. M.

All candidates for the football squad next year should attend these classes, as the plays for the coming season are to be illustrated and learned and much theory is to be taught. It is possible that in order to have the plays as well perfected as possible before going on the field that "Pete" Bigler will run through them on the Gym floor.

With these classes and the new field next year to practice on, aided by the new flood lights, the team should certainly put on a good exhibition of football.

WORCESTER TECH—37

	fg	ft	tp
Smith, lf	3	1	7
Holmes, lf	0	2	2
Fitt, rf	5	2	12
Downing, rf	0	0	0
Graham, c	3	2	8
Cotton, lg	3	2	8
Topelian, lg	0	0	0
Wilkinson, rg	0	0	0
Rice, rg	0	0	0
	14	9	37

RHODE ISLAND STATE—27

	fg	ft	tp
Fleming,, rg	0	0	0
Hurwitz, lg	2	1	5
Magoon, c	0	2	2
Epstein, rf	3	0	6
Haire, lf	4	6	14
Trumbull, lf	0	0	0
	9	9	27

Referee—Cody.
Timer—Leidholt.

ROBERT L. COTTON
Basketball Captain

SECONDS LOSE, 22-16

(Continued from Page 1, Col. 4)

though handicapped by being unable to get the jump against Fitchburg's center. Dennison was Tech's high scorer as a result of several pretty one hand shots.

FITCHBURG—22

	fg	ft	tp
Jakala, lf	2	1	5
Heslam, rf	0	1	1
Bowse, c	5	0	10
Quinn, lg	0	0	0
Oliva, rg	3	0	6
	10	2	22

TECH SECONDS—16

	fg	ft	tp
Dennison, rg	4	0	8
Lundborg, lg	0	0	0
Whitaker, c	1	1	3
Berry, rf	1	1	3
Manty, lf	1	0	2
	7	2	16

Substitutions—Bowse for Bernot, Oliva for Lamb, Kandvamus for Quinn.
Referee—Cody.
Timer: Leidholt.